

REMARKS

Claims 1-15 are pending in the present Application. Applicant has amended claim 1. Consequently, claims 1-15 remain pending in the present Application.

Applicant has amended claim 1 to correct a grammatical error. Applicant respectfully submits that the amendment to claim 1 does not alter the scope of claim 1. Furthermore, Applicant respectfully submits that no new matter is added.

In the above-identified Office Action, the Examiner rejected claims 1-3, 5-10 and 12-15 under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 5,088,033 ("Binkley"). The Examiner also rejected claims 4 and 11 under 35 U.S.C. § 103 as being obvious in light of Binkley in view of U.S. Patent No. 5,812,668 ("Weber").

The Examiner also rejected Claims 1-3, 5-10 and 12-15 as being anticipated by Binkley. Applicant respectfully traverses the Examiner's rejection. Claim 1 recites a method for providing a point of sale environment to be used in developing an application on a development system independently of a point of sale system. The application is for use with point of sale equipment having a device. The application is capable of utilizing the device when the application is executed on the point of sale equipment. The method recited in claim 1 includes the steps of "providing an emulation module corresponding to the device; . . . ensuring that the application will utilize the emulation module when the application is executed on the development system; and . . . executing the application on the development system independently of the point of sale system . . ." The method recited in claim 1 also recites that the emulation module and the application "emulate the interaction between the application and the device that occurs when the application is executed on the point of sale equipment."

Similarly, claim 7 recites:

[a] method for testing an application on a development system

independently of a point of sale system, the application for use with point of sale equipment having a device, the application capable of utilizing the device when the application is executed on the point of sale equipment, the method comprising the steps of:

- (a) providing an emulation object corresponding to the device;
- (b) ensuring that the application will utilize the emulation object when the application is executed on the development system;
- (c) executing the application on the development system independently of the point of sale system to emulate the interaction between the application and the device that occurs when the application is executed on the point of sale system;
- (d) ensuring that the application adequately utilizes the emulation object; and
- (e) modifying the application, as necessary, to ensure that the application utilizes the emulation object on the development system.

Claim 8 recites:

[a] system for developing an application for use with point of sale equipment having a device independently of the point of sale equipment, the application capable of utilizing the device when the application is executed on the point of sale equipment, the system comprising:

- an emulation module corresponding to the device; and
- means for ensuring that the application will utilize the emulation module when the application is executed on the development system;
- wherein when the application is executed on the system, the emulation module and the application independently of the point of sale system, emulate the interaction between the application and the device that occurs when the application is executed on the point of sale equipment.

Claim 14 recites:

[a] computer readable medium containing at least one program for testing an application on a development system independently of a point of sale system, the application for use with point of sale equipment having a device, the application capable of utilizing the device when the application is executed on the point of sale equipment, the program containing instructions for:

- providing an emulation module corresponding to the device;
- wherein the application is capable of utilizing the emulation module in lieu of the device when the application is executed on the development system; and
- wherein when the application is executed on the development system, the emulation module and the application emulate the interaction between the application and the device that occurs when the application is executed on the point of sale equipment.

Independent claim 15 recites:

[a] computer readable medium containing at least one program for

facilitating development of an application on a development system independently of a point of sale system, the application for use with point of sale equipment having a device, the application capable of utilizing the device when the application is executed on the point of sale equipment, the program containing instructions for:

- emulating the interaction between the application and the device;
- allowing a developer to provide input; and
- providing the input to the application in a form expected from the device.

Thus, independent claims 1, 7, 8, 14 and 15 recite methods, a system and computer readable media, which are used to emulate the environment, including a device in a point of sale system. The emulation of the point of sale system is accomplished on a development system independent of the point of sale equipment. Claims 1, 7, 8 and 14 specifically recite that an emulation module corresponding to the device that is part of the point of sale equipment is utilized. Claims 1, 7, 8, 14 and 15 all recite that the interaction between the application and the device that is part of the point of sale system is emulated. Thus, claims 1, 7, 8, 14 and 15 all specifically recite that the methods, system and computer readable media are for a point of sale system.

Binkley fails to teach or suggest a method, system or computer readable medium that is used to emulate an interaction between an application and a point of sale system. Binkley does describe a system used in emulating a "target system." Binkley, col. 1, lines 60-62. However, Binkley appears to be directed at a system which provides a separate "emulating processor" that allows the processor of the host system to continue normal operation and emulates the functions of the target system. Binkley, col. 2, lines 25-35 and Abstract, lines 1-7. Binkley is apparently directed to general emulation systems. Applicant can find no mention in Binkley of a point of sale system. Applicant can find no mention in Binkley of any mechanism for developing applications for a point of sale system. Further and more specifically, Applicant can find no mention in Binkley of emulating the interaction between the point of sale system and the application. Binkley is also apparently devoid of mention of using an emulation module that corresponds to the device of the

point of sale system when developing the application for use with the point of sale system. Moreover, Applicant can find no suggestion in Binkley of using any emulation tools specifically for a point of sale system or of any benefits that might be achieved using an emulation module for developing an application for use with a point of sale system. Consequently, Binkley cannot teach or suggest the methods, system and computer readable medium recited in claims 1, 7, 8, 14 and 15.

Furthermore, the Examiner cited col. 3, lines 34-37 of Binkley as teaching the emulation object. However, this portion of Binkley merely states that the host includes an emulating means for emulating the target system device. Applicant notes that there may be a number of mechanisms for emulating a device on the target system. A single module, such as the recited emulation module, need not be used to account for the device. Thus, cited portion of Binkley does not teach or suggest the use of a single emulation module for a device. Thus, Binkley cannot teach or suggest the method, system or computer readable medium. Accordingly, Applicant respectfully submits that claims 1, 7, 8, 14 and 15 are allowable over the cited references.

Claims 2-3 and 5-6 depend on independent claim 1. Claims 9-10 and 12-13 depend on independent claim 8. Consequently, the arguments herein apply with full force to claims 2-3, 5-6, 9-10 and 12-13. Accordingly, Applicant respectfully submits that claims 2-3, 5-6, 9-10 and 12-13 are also allowable over the cited references.

The Examiner also rejected claims 4 and 11 as being unpatentable over Binkley in view of Weber. The Examiner cited Weber as disclosing a JAVA application.

Applicant respectfully traverses the Examiner's rejection. Claims 4 and 11 depend upon independent claims 1 and 8, respectively. Accordingly, the arguments herein apply with full force to claims 4 and 11. In addition, Applicant agrees that the cited portion of Weber teach the use of a JAVA application in the context of developing the application for a sale system. However, the cited portion of Weber cannot teach or suggest the combination of elements recited in claims 4 and 11.

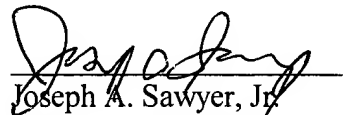
The cited portion of Weber contains no mention of the use of an emulation object for emulating the device of the point of sale system on a development system that is independent of the point of sale system. Consequently, Weber cannot remedy the defect of Binkley. Accordingly, Applicant respectfully submits that Binkley in view of Weber cannot teach or suggest the method and system recited in claims 4 and 11, respectively,

Accordingly, for the above-mentioned reasons, Applicant respectfully submits that the claims are allowable over the cited reference. Consequently, Applicant respectfully requests reconsideration and allowance of the claims as currently presented.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "**Version with markings to show changes made**".

Applicant's attorney believes that this application is in condition for allowance. Should any unresolved issue remain, the Examiner is invited to call Applicant's attorney at the telephone number indicated below.

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

1. (Amended) A method for providing a point of sale environment for developing an application on a development system independently of a point of sale system, the application for use with point of sale equipment having a device, the application capable of utilizing the device when the application is executed on the point of sale equipment, the method comprising the steps of:

- (a) providing an emulation module corresponding to the device; [and]
- (b) ensuring that the application will utilize the emulation module when the application is executed on the development system; and
- (c) executing the application on the development system independently of the point of sale system, wherein the emulation module and the application emulate the interaction between the application and the device that occurs when the application is executed on the point of sale equipment.